



Sarex Chemicals

(A Divn. Of Saraf Chemicals Pvt. Ltd.)

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PRODUCT LITERATURE

SARAFLAM-CWF

Product Information

Saraflam-CWF is an organo phosphorous durable flame retardant for 100% cellulosic fibres such as cotton and regenerated cellulosic fibres like viscose, modal, tencel. Saraflam-CWF chemically reacts with these fibres thereby imparting durable flame retardancy which can withstand several laundings and dry cleanings. Saraflam-CWF does not affect the drape of the fabric and does not leave any white residue on the fabric thus minimum effect on shade.

Saraflam-CWF can also be combined with other finishing agents. Saraflam-CWF prevents flame propagation in presence of fire. It is recommended for home textiles, industrial textiles and apparels.

Key Features & Benefits

Key Features	Benefits
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High performance	No after-burning or after-glow
Durable	Withstands multiple home laundering
Handle	Does not affect feel or drape of the fabric
Compatibility	Compatible with other finishing agents

General Characteristics

Physical appearance	: Colourless viscous liquid
Ionic nature	: Nonionic
pH of 1% solution	: 4 +/- 1
Miscibility	: Miscible with water
Compatibility	: Compatible with cationic, anionic and nonionic products
Stability	: Stable to dilute acids and dilute alkalies

Application

Before finishing with Saraflam-CWF, please ensure that the fabric is free from residues of earlier treatment which could otherwise hamper the performance of Saraflam-CWF



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Saraflam-CWF : 300-400 g/l
Saraprint AC : 70-100 g/l
Ammonium chloride : 7-10 g/l
Phosphoric acid 80% : 20-25 g/l
Sarawet NF : 2-5 g/l

Pick-up : 70-80% (2 dip-2 nip)
Drying : 120-130 deg.C
Curing : 160 deg.C, 4-5 min.

Please ensure that the padding temperature does not exceed 30 deg.C

Note:

- After finishing, the fabric has to be washed with 5-10 g/l soda ash (pH maintained at 9-10) alongwith 2-4 g/l Celldet-R to neutralise phosphoric acid and unreacted Saraflam-CWF followed by rinsing in plain water twice or thrice.
- Final pH of fabric should be 6.5-7 before drying.
- Dry add-on of minimum 25-30% ensures required performance
- Flame retardency depends upon actual add-on of Saraflam-CWF on the finished fabric, therefore lab trials are recommended to arrive at required dosage
- Many common finishes like silicone softners, PE emulsions etc. may have negative influence on flame retardency, therefore prelab-trials are essential to assess the suitability of other softners

Saraflam-CWF is recommended for following test methods.

1. BS 3119 (1959) Vertical flame test
2. BS 5852 Cigarette bud test for upholstery
3. BS 5852 Part 1 (1979), BS 5651 (1978) for upholstery
4. ASTM D6413 has been adopted from Federal Test Standard No.191A method 5903.1

Precautions

Storage : Store in cool, ventilated shed away from heat and direct sunlight. Storage temperature



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should not exceed 35 deg C. Close lids firmly to avoid contact with air and moisture.

Shelf Life : 9 months from the date of manufacturing, if stored under controlled conditions.

[The above information is given in good faith and is without warranty]
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